INTERNATIONAL SEARCH REPORT

International application No.

		PCT/JP	2005/008648		
A. CLASSIFIC Int.Cl	TATION OF SUBJECT MATTER H01J11/02				
According to Int	ernational Patent Classification (IPC) or to both nation	al classification and IPC			
B. FIELDS SE					
Minimum docum Int.Cl	nentation searched (classification system followed by c H01J11/02	lassification symbols)			
	·		•		
Documentation s	searched other than minimum documentation to the ext	ent that such documents are included in t	he fields searched		
Jitsuyo	Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005				
Kokai J:	itsuyo Shinan Koho 1971-2005 Te	oroku Jitsuyo Shinan Koho	1994-2005		
Electronic data b	ase consulted during the international search (name of	data base and, where practicable, search	terms used)		
		,	or no docty		
ļ					
C. DOCUMEN	VTS CONSIDERED TO BE RELEVANT				
			T		
Category*	Citation of document, with indication, where a		Relevant to claim No.		
х	JP 11-120920 A (Hitachi, Ltd	1.),	1-4		
	30 April, 1999 (30.04.99), Claim 4; Par. Nos. [0007], [
	[[0025]; all drawings	0020], [0024],			
	(Family: none)				
	-				
A	JP 9-92161 A (Fujitsu Ltd.),		1-4		
	04 April, 1997 (04.04.97), Claim 1; example 2; Fig. 3				
	(Family: none)				
ļ	(-am21, Holle)				
A	JP 11-153969 A (Sony Corp.),		1-4		
	08 June, 1999 (08.06.99),				
	Claim 3; all drawings & US 6097150 A				
	& 05 609/150 A				
× Further do	cuments are listed in the continuation of Box C.	See patent family annex.			
	gories of cited documents:	"T" later document published after the in	ternational filing date or priority		
"A" document do to be of part	efining the general state of the art which is not considered icular relevance	date and not in conflict with the appli- the principle or theory underlying the	cation but cited to understand		
"E" earlier applic	cation or patent but published on or after the international	"X" document of particular relevance: the	claimed invention cannot be		
filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		considered novel or cannot be cons step when the document is taken alon-	idered to involve an inventive		
		"Y" document of particular relevance: the	claimed invention cannot be		
	on (as specified) ferring to an oral disclosure, use, exhibition or other means	considered to involve an inventive combined with one or more other such	step when the document is		
"P" document pu	iblished prior to the international filing date but later than	being obvious to a person skilled in th	e art		
the priority d	late claimed	"&" document member of the same patent	family		
Date of the actua	l completion of the international search	Data of mailing of the interest			
04 Augu	ust, 2005 (04.08.05)	Date of mailing of the international sea 23 August, 2005 (2	rcu report 3.08.051		
	· · · · · · ·	== ==================================	J. 30.03/		
Name and mailin	g address of the ISA/	Authorized officer			
	se Patent Office	Authorized officer			
Facsimile No. Form PCT/ISA/21	0 (second sheet) (January 2004)	Telephone No.			
	·· to · · · · · · · · · · · · · · · · · ·				

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2005/008648

Cotton	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Category* A	JP 2002-519812 A (Koninklijke Philips Electronics N.V.), 02 July, 2002 (02.07.02), Par. No. [0029]; all drawings & US 6320318 B1 & WO 99/067770 A2 & EP 1046464 A2	1-4
A	JP 11-233022 A (Hitachi, Ltd.), 27 August, 1999 (27.08.99), Claims 6, 7; Par. No. [0026]; all drawings (Family: none)	1-4
A	JP 8-313883 A (Sony Corp.), 29 November, 1996 (29.11.96), Par. No. [0008]; all drawings (Family: none)	1-4
· A	JP 2002-352723 A (Sony Corp.), 06 December, 2002 (06.12.02), Par. No. [0013]; all drawings (Family: none)	1-4
Α	<pre>JP 9-245653 A (Toshiba Corp.), 19 September, 1997 (19.09.97), Claim 5; Par. No. [0026]; all drawings (Family: none)</pre>	1-4
A	JP 2002-517893 A (Koninklijke Philips Electronics N.V.), 18 June, 2002 (18.06.02), Par. No. [0005]; all drawings & US 6172460 B1 & WO 99/064923 A2 & EP 10334454 A2	1-4
A	JP 7-110659 A (Nippon Hoso Kyokai), 25 April, 1995 (25.04.95), Claim 2; all drawings (Family: none)	1-4
A	JP 9-120778 A (AT & T Corp.), 06 May, 1997 (06.05.97), Par. No. [0043]; all drawings & US 5982095 A & EP 764965 A2	1-4
P,A	JP 2004-186021 A (Matsushita Electric Industrial Co., Ltd.), 02 July, 2004 (02.07.04), Claims 2, 4, 5; all drawings (Family: none)	1-4
	Claims 2, 4, 5; all drawings	

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2005/008648

·		JP2005/008648
C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2002-75170 A (Sumitomo Metal Industries, Ltd.), 15 March, 2002 (15.03.02), Par. No. [0019]; all drawings (Family: none)	1-4
A	JP 2001-135237 A (Toray Industries, Inc.), 18 May, 2001 (18.05.01), Claim 1; all drawings (Family: none)	1-4
	•	
		9
	·	
		*
) (continuation of consul about) (I among 2001)	

THIS PAGE BLANK (USPTO)